



KISII UNIVERSITY

UNIVERSITY EXAMINATIONS

FIRST YEAR EXAMINATION FOR THE AWARD OF THE CERTIFICATE IN ANIMAL HEALTH & PRODUCTION FIRST SEMESTER 2022/2023 (SEPTEMBER - DECEMBER, 2022)

ANHE 00214: PARASITOLOGY

STREAM: Y1 S1

TIME: 2 HOURS

DAY: THURSDAY, 9:00 A.M – 11:00 A.M

DATE: 08/12/2022

INSTRUCTIONS:

- 1. Do not write anything on this question paper.**
- 2. Answer ALL questions in section ONE (Compulsory) and any other TWO in section B.**

SECTION A

1. Define the following terms:
 - a) Helminth (2 marks)
 - b) Nemathehelminthes (2 marks)
 - c) Acanthocephala (2 marks)
 - d) Platyhelminthes (2 marks)
 - e) Parasitosis (2 marks)
 - f) Parasitiasis (2 marks)
 - g) Mange (2 marks)
 - h) Myiasis (2 marks)
2.
 - a) Describe the characteristics of the parasites in the class myriapoda. (3 marks)
 - b) Differentiate between hard tick and soft tick morphologically. (2 marks)
 - c) Describe the characteristics of the parasites in the class arachnida. (3 marks)
 - d) Describe the characteristics of the parasites in the class pentastomida. (3 marks)
 - e) State three ways ticks transmit diseases in livestock and give examples of disease transmitted in each. (6marks)

- f) State the fleas that affect the following animals. (4 marks)
- i) dog
 - ii) chicken
 - iii) human
 - iv) cat
- g) Describe the pathogenesis of sarcoptes mange (3 marks)

SECTION B

3. State the seven species of hard ticks and in each indicate the disease it transmit in animals. (15 marks)
4. State the three groups of Glossina based on where they are found and morphology. (15 marks)
5. State the pathogenesis, clinical signs and diagnosis of myiasis in sheep. (15 marks)